

Title (en)  
MUT FINGERPRINT ID SYSTEM

Title (de)  
MUT-FINGERABDRUCKIDENTIFIKATIONSSYSTEM

Title (fr)  
SYSTÈME D'IDENTIFICATION D'EMPREINTES DIGITALES À TRANSDUCTEURS ULTRASONORES MICRO-USINÉS (MUT)

Publication  
**EP 3022683 A1 20160525 (EN)**

Application  
**EP 14825944 A 20140714**

Priority  
• US 201361846925 P 20130716  
• US 2014046557 W 20140714

Abstract (en)  
[origin: WO2015009635A1] MEMS ultrasound fingerprint ID systems are provided. Aspects of the systems include the capability of detecting both epidermis and dermis fingerprint patterns in three dimensions. Also provided are methods of making and using the systems, as well as devices that include the systems.

IPC 8 full level  
**G06K 9/00** (2006.01); **H10N 30/30** (2023.01)

CPC (source: EP US)  
**G06V 40/1306** (2022.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2015009635 A1 20150122**; CN 105378756 A 20160302; CN 105378756 B 20200508; CN 111626111 A 20200904; CN 111626111 B 20240308; EP 3022683 A1 20160525; EP 3022683 A4 20170322; EP 3022683 B1 20240117; JP 2016533234 A 20161027; JP 6616296 B2 20191204; KR 102305274 B1 20210924; KR 20160032045 A 20160323; US 10430631 B2 20191001; US 11238258 B2 20220201; US 2016117541 A1 20160428; US 2020167538 A1 20200528

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**US 2014046557 W 20140714**; CN 201480040556 A 20140714; CN 202010312022 A 20140714; EP 14825944 A 20140714; JP 2016527017 A 20140714; KR 20157037001 A 20140714; US 201414896150 A 20140714; US 201916554053 A 20190828